

SET COMMAND COMPLETED

09/15/99, 9:45
CAS, Bio200, USPTO/AA

=> file ca

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
ENTRY
0.15

TOTAL
SESSION
0.15

9/13/01

=> s (barnase? (3a) (mutant? or mutat?)) /ab,bi

L1 86 (BARNASE? (3A) (MUTANT? OR MUTAT?)) /AB,BI

=> s (agrobacterium or transgen? or microproject? or microinject? or electropora

L2 60639 (AGROBACTERIUM OR TRANSGEN? OR MICROPROJECT? OR MICROINJECT? OR ELECTROPORAT? OR BIOLISTIC?) /AB,BI

=> s (vector? or plasmid? or cdna?) /ab,bi

L3 301142 (VECTOR? OR PLASMID? OR CDNA?) /AB,BI

=> s l1 and l3

L4 4 L1 AND L3

=> file biosis

=> s l4

L5 5 L1 AND L3

=> dup rem

L6 7 DUP REM L4 L5 (2 DUPLICATES REMOVED)

=> d 16 1-7

L6 ANSWER 4 OF 7 CA COPYRIGHT 2001 ACS

AN 128:125303 CA

TI Creation of novel proteins with potential new functions by reassembling
the protein-encoding units

IN Yanakawa, Koji

PA Mitsubishi Chemical Industries Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 10014578 A2 19980120 JP 1996-171354 19960701

L6 ANSWER 5 OF 7 CA COPYRIGHT 2001 ACS

AN 124:254409 CA

TI Protein-protein interaction: a genetic selection for compensating
mutations at the ***barnase*** -barstar interface

AU Jucovic, Milan; Hartley, Robert W.

CS Lab. Cell. Dev. Biol., Natl. Inst. Health, Bethesda, MD, 20892, USA

SO Proc. Natl. Acad. Sci. U. S. A. (1996), 93(6), 2343-7

CODEN: PNASA6; ISSN: 0027-8424

DT Journal

and
9/13

LA English

L6 ANSWER 6 OF 7 CA COPYRIGHT 2001 ACS DUPLICATE 2
AN 123:277149 CA
TI In vivo system for the detection of low level activity ***barnase***
mutants
AU Jucovic, Milan; Hartley, Robert W.
CS Lab. Cellular Developmental Biology, National Institutes of Health,
Bethesda, MD, 20892, USA
SO Protein Eng. (1995), 8(5), 497-9
CODEN: PRENE9; ISSN: 0269-2139
DT Journal and 7/13
LA English

L6 ANSWER 7 OF 7 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1993:522428 BIOSIS
DN PREV199396135835
TI Step-wise ***mutation*** of ***barnase*** to binase: A procedure
for engineering increased stability of proteins and an experimental
analysis of the evolution of protein stability.
AU Serrano, Luis (1); Day, Anthony G.; Fersht, Alan R.
CS (1) EMBL Biostructures Biocomputing Programme, Meyerhofstr. 1, Heidelberg
Germany
SO Journal of Molecular Biology, (1993) Vol. 233, No. 2, pp. 305-312.
ISSN: 0022-2836.
DT Article
LA English

=> d 16 4-6 ab

=> file ca

=> s 11 and 12

L7 0 L1 AND L2

=> file biosis

=> s 17

L8 0 L1 AND L2

=> file uspatfull

=> s 14

L9 2 L1 AND L3

=> d 19 1-2

=> d 19 1-2 ab

=> s 17

L10 2 L1 AND L2

=> s 110 not 19

L11 0 L10 NOT L9

=> file ca

=> \$ (male(2a) steril?) /ab,bi
L12 2876 (MALE(2A) STERIL?) /AB,BI
=> \$ 11 and 112
L13 1 L1 AND L12
=> \$ 113 not 14
L14 0 L13 NOT L4
=> file biosis

=> \$ 114
L15 0 L13 NOT L4
=> file uspatfull
=> \$ 114
L16 0 L13 NOT L4